

Converting Colors

CIELCh(65, 1.266, 305.600)

Have a look what the booklet for
CIELCh(65, 1.266, 305.600) contains.

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Color

CIELCh(65, 1.722, 303.117)

Conversions

Conversions Part 1

Format	Color
Hex	9E9DA0
RGB	158, 157, 160
RGB Percent	62%, 62%, 63%
CMY	0.3793, 0.3833, 0.3715
CMYK	0.01, 0.02, 0.00, 0.37
HSL	260°, 2%, 62%
HSV	260°, 2%, 63%
XYZ	32.6231, 34.0472, 38.2320
YIQ	157.6410, -0.3670, 1.1450

Conversions

Conversions Part 2

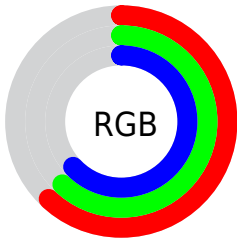
Format	Color
RYB	158, 157, 160
Decimal	10395040
CIELab	65.00, 0.94, -1.44
CIElCh	65, 1.722, 303.117
Yxy	34.0472, 0.3110, 0.3246
Android (android.graphics.Color)	4288585120 (0xFF9E9DA0)
YUV	157.6410, 1.1630, 0.3148
Hunter-Lab	58.3500, -2.3141, 1.9970

Details

The CIELCh color $65, 1.722, 303.117$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $66, 1.699, 122.959$, and the grayscale version is $65, 0.008, 296.813$.

A 20% lighter version of the original color is $85, 1.631, 303.083$, and $45, 1.846, 303.167$ is the 20% darker color. If you saturate the color by 10%, you get $60, 11.062, 303.685$, and if you desaturate by 10%, it is $70, 7.306, 122.635$.

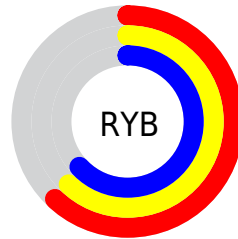
Distribution



Red (62%)

Green (62%)

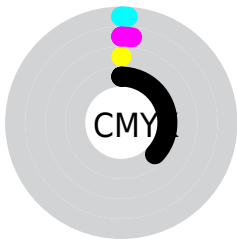
Blue (63%)



Red (62%)

Yellow (62%)

Blue (63%)

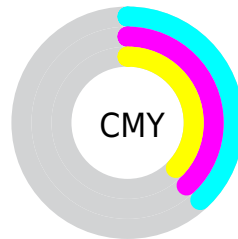


Cyan (1%)

Magenta (2%)

Yellow (0%)

Black (37%)



Cyan (38%)

Magenta (38%)

Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 65, 1.722, 303.117 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 65, 1.722, 303.117 by changing the saturation by 10% instead.

■ 65, 1.722, 303.117

■ 65, 1.722, 303.117

100, 1.722,
303.117

■ 55, 1.722, 303.117

■ 85, 1.722, 303.117

■ 45, 1.722, 303.117

■ 95, 1.722, 303.117

■ 35, 1.722, 303.117

■ 25, 1.722, 303.117

■ 15, 1.722, 303.117

■ 5, 1.722, 303.117

■ 0, 1.722, 303.117

■ 65, 1.722, 303.117

■ 65, 1.722, 303.117

■ 60, 11.062,

■ 70, 7.306, 122.635

303.685

75, 16.027,
122.199

55, 20.723,
304.325

80, 24.459,
121.823

49, 30.691,
305.037

85, 32.617,
121.498

44, 40.920,
305.813

90, 40.518,
121.218

39, 51.304,
306.632

95, 48.177,
120.978

35, 61.624,
307.451

97, 48.064,
116.753

30, 71.480,
308.190

97, 47.455,
111.858

26, 80.215,
308.729

98, 47.233,
106.800

23, 86.950,
308.909

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



65, 1.722, 303.117



66, 1.699, 122.959

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



65, 1.722, 303.117



65, 1.722, 353.117



65, 1.722, 123.117



65, 1.722, 173.117

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



65, 1.720, 303.094



83, 1.145, 303.025



65, 0.935, 234.212



44, 0.650, 303.018



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



65, 1.720, 303.094



83, 2.284, 303.106



65, 1.925, 319.296



33, 1.029, 303.093



18, 83.629, 308.979



1, 6.675, 302.384

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



65, 1.610, 335.584



83, 2.137, 335.611



66, 1.908, 139.321



33, 0.962, 335.580



31, 58.991, 346.845



1, 6.120, 337.130

Previews

White Background



This preview shows how the CIELCh color 65, 1.722, 303.117 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 65, 1.722, 303.117 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

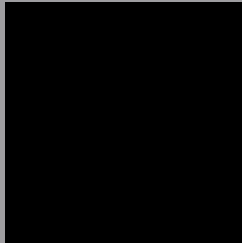
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

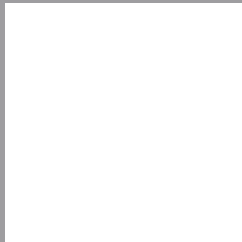
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 65, 1.722, 303.117

Background



This preview shows how black text looks on a background with the CIELCh color 65, 1.722, 303.117.



This preview shows how white text looks on a background with the CIELCh color 65, 1.722, 303.117.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color


65, 1.722, 303.117

Protanopia

65, 2.038, 324.435

Deuteranopia

65, 8.245, 347.627



Tritanopia
65, 6.865, 303.429

Trichromacy



Original Color
65, 1.722, 303.117

Protanomaly
65, 1.848, 314.666

Deuteranomaly
65, 5.394, 341.732

Tritanomaly
65, 5.153, 303.331

Monochromacy



Original Color
65, 1.722, 303.117

Achromatopsia
65, 0.008, 296.813

Achromatomaly
65, 0.563, 290.333

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 1.722, 303.117 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(158, 157, 160)` looks like.

```
.text, #text, p{  
    color:rgb(158, 157, 160)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(158, 157, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 157, 160) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 1.722, 303.117 is called "border". The border property can be set on classes, ids or directly on the HTML element.

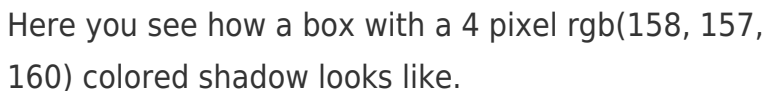
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(158, 157, 160) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(158, 157, 160) }
```

If you want to add a box shadow in that color use:



Here you see how a box with a 4 pixel `rgb(158, 157, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(158, 157, 160); -webkit-box-shadow:4px 4px 4px 4px rgb(158, 157, 160); box-shadow:4px 4px 4px 4px rgb(158, 157, 160) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 1.722, 303.117 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 157, 160) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(158,  
157, 160) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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